

*Local Board
of Health
Annual Report
1953*

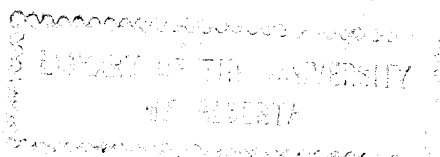
20. SEP. 1954



REPORT

of the

Local Board of Health



THE CITY OF EDMONTON
ALBERTA

1953

BOARD OF HEALTH, 1953

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Dr. J. Ross Kelly Ald. Mrs. E. Wilson Dr. M. Sereda
Dr. W. E. Webber, Edmonton Public School Board
Miss C. McGrath, Separate School Board
Dr. W. Orobko, Edmonton and District Dental Society

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Dr. G. M. Little, M.O.H. Mr. J. D. A. MacDonald, City Engineer
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EX-OFFICIO MEMBERS

Mayor Wm. Hawrelak
Dr. G. M. Little, M.O.H. Mr. J. D. A. MacDonald, City Engineer
Catharine Rose, Secretary

STAFF

Medical Officer of Health.....	G. M. Little, M.D., D.P.H.
Asst. Medical Officer of Health.....	G. H. Ball, M.B., Ch.B., D.P.H.
Physician, Chief Pediatrics.....	D. B. Leitch, M.B., F.R.C.P., F.R.C.S.
Physician, Pediatrics.....	L. Beauchamp, B.Sc., M.D., R.C.P.S. (C)
Physician, Pediatrics.....	K. Swallow, B.Sc., M.D., R.C.P.S. (C)
Physician, School Health.....	O. B. Bode, M.D., M.R.C.S., L.R.C.P.
Physician, School Health.....	P. Daly, M.D.
Physician, School Health.....	R. M. Hayes, M.D., Ch.B., M.R.C.P.
Dentist, School Health.....	R. A. McCormack, D.D.S.
Dental Hygienist, School Health.....	Neufeld, Miss J. C.
Sr. Nurse, School Health.....	Lord, Miss A.
Sr. Nurse, Well Baby Clinic.....	Christensen, Miss S. C.
Sr. Nurse, Inoculation Clinic.....	Griffith, Miss M.
Chief Sanitary Inspector.....	Alexander, L. G., C.S.I. (C)
Milk and Dairy Inspector.....	Meredith, R. B., C.S.I. (C)
Chief Food Inspector.....	Pennifold, K., V.S.
Secretary, Board of Health.....	Rose, Miss C. R.

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Annual Report of the Medical Officer of Health

Chairman and Members
Local Board of Health
Edmonton, Alberta

Mrs. Wilson and Gentlemen:

Following is a report of the activities of our Board and certain other health agencies of our City during 1953:

BIRTHS:

The resident birth-rate of 34.7 per 1,000 population is the highest recorded since 1922, when 37.1 births per 1,000 population gave the highest birth-rate in the history of our City. Compared to 1952, births increased by 10.9 percent, population by 8.3 percent, and marriages by 6.3 percent.

DEATHS:

The general death-rate showed some reduction. A moderate but encouraging reduction in the rate of deaths from cancer is noted. A toll of 42 lives from auto accidents seems far beyond an unavoidable minimum. The infant mortality of 22.7 per 1,000 live births is the lowest ever recorded in our City, and is well below the average for the province and for Canada. This is not only a credit to medical and preventive services, but also to the intelligent interest of parents in child welfare.

COMMUNICABLE DISEASES:

For the fourth year in succession we have had only a single case of diphtheria. With the continued co-operation of parents in presenting children for immunization, we may hope soon to see the virtual disappearance of both diphtheria and whooping cough.

Poliomyelitis, with 322 cases, attacked our citizens in the most severe epidemic since 1927. We have sound reason for hoping that we may have an effective prevention for this disease within the next two years. In the meantime, however, the special care required for many of these cases indicates that a considerable proportion of those occurring in Northern Alberta must be hospitalized in our City. Until newly planned construction meets this need for extra hospital beds, the problem could present us with a very pressing emergency as it did during the recent epidemic. With Provincial Government assistance, we are far better prepared in the matter of equipment than at the beginning of that epidemic.

CLINICS:

The combined Immunization and Baby and Pre-School Child Clinic, built on the South Side by the City and opened in May, 1953, has thoroughly justified this extension of services. This clinic already carries about one-third of the clinic load, and has been declared by South Side mothers to fill a great need for them. The rapidly increasing use of these services forecasts the approaching need for similar health centres in other areas of the City.

Attendance at Baby and Pre-School Clinics increased to 17,611 and at Immunization Clinics to 23,132 during the year. This is a total increase of 5,964 over 1952. It is planned to establish a second dental service for school children in our South Side Health Clinic during 1954.

SCHOOL HEALTH SERVICES:

We believe that an increasingly effective health service for school children is being evolved. In accordance with modern practice, we are attempting to screen out children with a health problem for increased medical attention, and

reduce the repeated checking of normal children. An increase of 76 new school rooms during the year indicates the increasing requirements of this service. One and a half nurses were added to the school health services during the year.

An increase in preventive dental services is planned. It is obvious that the almost universal occurrence of decayed teeth in our children shows little or no decrease over the years. Fluoridation of community water supplies, which in eight years' trial and scientific study has been proven perfectly safe, economical, and reduces decayed teeth in the younger ages by two-thirds, is the only means presented so far which promises to bring this problem within treatable bounds. The continued disturbing loss of teeth, even in our young people, leads to an earnest hope that our citizens will support this measure in common with virtually every dental and medical organization on this continent, and with the citizens in several hundreds of cities who are already taking advantage of it.

SANITATION:

Much effort has been applied to supervision of food-handling establishments of all kinds, and food-borne infections have become rare in our City. Meat and milk are supervised by specially trained workers. Eleven thousand milk samples were tested for purity in our laboratory, and 555 dairy farms are under regular inspection. General sanitation has been very good, but we still have some citizens who persist in throwing rubbish on the streets. This may not be insanitary, but has led, on occasion, to visitors accusing us of being a "dirty city."

The continued rapid increase in population makes sub-standard housing still a pressing problem. Our conviction grows that whoever can devise a means of providing acceptable moderate-priced housing will be hailed as a benefactor by a considerable section of our citizens.

GENERAL:

Provincial and Federal Grants totalling \$62,142 for 1953, being 30.3% of our budget, were of great assistance in helping us to meet our rapidly expanding responsibilities.

We believe that an increasing co-ordination of provincial health services with those of the municipalities would benefit all Albertans.

I would draw to your attention the excellent service rendered to our community by the Victorian Order of Nurses. They made 12,367 home visits during the year, many of which were made at a reduced charge or no charge at all.

Again we are happy to thank the Provincial Department of Health and various departments of the University of Alberta for friendly and effective assistance in our efforts to provide an adequate health service.

Also, your staff members wish to voice their appreciation of the understanding and consideration offered them by the members of the Local Board of Health, which has no small part in maintaining an interested and effective group of health workers.

Yours very truly,

G. M. LITTLE

Medical Health Officer.

EXPENDITURES — 1953

1. Salaries	\$163,350.50
2. Supplies	7,158.76
3. Transportation	9,857.33
4./6. Telephones, Sundries, Uniforms	4,383.86
8./10. Equipment and Furnishings	3,314.71
7. Pensions	15,500.00
9. Insurances	932.83

Revenue

Permits, meat Inspection	\$ 1,985.25
License Dept.	1,500.00
Grants	62,142.64

\$204,495.99

Cost per Capita — \$1.11

65,600.89

\$138,895.20

EXPENDITURES CLASSIFIED — 1953

	Administration	Communicable Disease Control	Dairy Inspection	Meat Inspection	Well Baby Clinics	Sanitation	School Health Services	Vital Statistics	Bathhouse	TOTAL
1. Salaries.....	\$13,738.92	\$15,972.17	\$8,456.44	\$6,360.35	\$16,267.35	\$29,032.88	\$72,521.65	\$912.46	\$88.28	\$163,350.50
2. Supplies.....	1,632.43	565.78	116.19	2.00	707.21	170.00	3,808.74	41.25	115.16	7,158.76
3. Transportation.....	480.00	961.24	1,065.73	233.92	2,856.94	2,227.40	2,032.10	.....	.....	9,857.33
4. Telephones.....	218.99	177.15	60.99	17.76	191.67	70.80	230.40	.....	.....	967.76
5. Sundries.....	623.96	386.04	32.35	66.42	323.96	56.49	1,510.90	.....	.....	3,000.12
6. Uniforms.....	.....	93.96	.....	.....	140.94	145.48	33.60	.....	.....	413.98
7. Pensions.....	6,500.00	.....	.....	.....	1,188.77	.....	9,000.00	.....	.....	15,500.00
8. Equipment.....	161.30	1,012.69	.....	.....	.....	.....	.....	.....	.....	2,362.76
9. Insurance.....	481.06	.....	.....	.....	.....	.....	451.77	.....	.....	932.83
10. Furniture.....	.....	.....	.....	.....	.....	.....	951.95	.....	.....	951.95
	\$23,836.66	\$19,169.03	\$9,731.70	\$6,680.45	\$21,676.84	\$31,703.05	\$90,541.11	\$953.71	\$203.44	\$204,495.99
	11.66%	9.37%	4.76%	3.27%	10.60%	15.50%	44.27%	.47%	.10%	100%

SUMMARY OF STATISTICS

Area of City 26,940 acres, including 1,000 acres of water and 2,500 acres of Parks.

	1953	1952	1951	1950	1949
Population.....	183,411	169,196	158,912	148,861	137,469
Persons per acre of land.....	6.8	6.3	5.9	5.4	5.0
Cost per capita.....	1.11	.88	.55	.51	.52
School enrolment.....	31,578	28,094	24,904	23,306	21,452
Natural increase of population.....	5,077	4,482	3,922	3,481	3,282
Births:					
Total births.....	9,194	8,309	7,459	6,813	6,514
Resident births only.....	6,377	5,748	5,055	4,622	4,246
Resident rate per 1,000 population.....	34.7	33.3	31.1	31.3	30.8
Stillbirths:					
Total stillbirths.....	150	141	115	82	97
Resident stillbirths only.....	95	97	79	59	57
Resident stillbirths rate per 1,000 living births....	14.8	16.8	15.5	12.8	13.4
Deaths:					
Total deaths.....	1,954	2,064	1,682	1,694	1,609
Resident deaths only.....	1,300	1,266	1,133	1,141	964
Resident rate per 1,000 population.....	7.0	7.4	7.1	7.6	7.0
Infant Mortality:					
Total deaths under 1 year of age.....	218	228	183	196	161
Resident deaths under 1 year of age.....	145	154	117	118	99
Resident rate per 1,000 living births.....	22.7	26.9	23.1	25.5	23.3
Maternal Mortality:					
Maternal deaths (city only).....	2	0	1	1	2
Rate per 1,000 living births.....	.31	....	.19	.21	.47
Marriages:					
Marriages.....	2,997	2,818	2,722	2,649	2,539
Rate per 1,000 population.....	16.3	16.6	17.7	17.2	18.4

VITAL STATISTICS

	1953	1952	1951	1950	1949
Births:					
Total Births.....	9,194	8,309	7,459	6,813	6,514
Resident Births only.....	6,377	5,748	5,055	4,622	4,246
Male.....	3,288	3,023	2,581	2,357	2,197
Female.....	3,089	2,725	2,474	2,265	2,049
Double Births.....	61	51	52	43	44
Triple Births.....	....	2	....	....	....
Resident Illegitimate Births.....	284	211	198	196	211
Total Illegitimate Births.....	477	386	394	390	441
Born in Institutions (Residents).....	6,375	5,744	5,051	4,621	4,239
Maternal Parentage:					
Canada.....	5,321	4,860	4,475	4,156	3,769
British Isles.....	328	325	223	209	245
Europe and Asia.....	581	424	250	155	146
U.S.A.....	126	121	92	68	87
Other Countries.....	21	17	15	4	9

RESIDENT LIVE BIRTHS BY AGE OF MOTHER AND ORDER OF BIRTHS

1953

	-20	20-24	25-29	30-34	35-39	40-44	over 45	No.	%
1st Child	356	1202	554	208	57	8	1	2386	37.4
2nd Child	63	661	702	332	107	17	4	1886	29.6
3rd Child	6	200	391	361	128	25	....	1111	17.4
4th Child .....	....	41	211	195	113	20	2	582	9.1
5th Child .....	....	9	53	93	52	19	1	227	3.6
6th Child .....	....	2	16	39	42	10	....	109	1.7
7th Child .....	....	....	5	10	14	4	2	35	.5
8th Child .....	....	....	....	5	6	3	....	14	.2
9th Child .....	....	....	....	2	7	4	1	14	.2
10th Child									
and over .....	....	....	....	....	3	6	4	13	.2
TOTAL	425	2115	1932	1245	529	116	15	6377	100%

Stillbirths

	1953	1952	1951	1950	1949
Total stillbirths	157	141	115	82	97
Resident stillbirths only	100	97	79	59	57
Male	61	37	35	21	31
Female	39	60	44	38	26
Born in Institutions	100	97	79	59	57

Cause of Foetal Deaths

	1953	1952	1951	1950	1949
Dystocia	46	42	28	21	21
Prematurity	7	7	5	5	6
Toxaemia of pregnancy	8	4	4	6	6
Syphilis .....	....	....	2	1	....
Malformation	19	17	....	10	13
Placenta and Membranes	5	13	10	5	9
Traumatism, overwork .....	....	....	1	1	....
Other conditions	15	15	29	10	7

Deaths

	1953	1952	1951	1950	1949
Total deaths	1954	2064	1682	1694	1556
Resident death only	1300	1266	1133	1141	964
Male	813	793	675	695	580
Female	487	473	458	446	384
Resident rate per 1000 Pop.	7.0	7.4	7.1	7.6	7.0

Racial Origin

	1953	1952	1951	1950	1949
Canada	460	441	481	384	295
British Isles	410	398	361	381	346
Europe and Asia	271	271	210	224	180
U.S.A.	86	75	73	64	54
Others	73	81	108	88	88

Infant Mortality

	1953	1952	1951	1950	1949
Total deaths under 1 year	218	228	183	196	161
Resident deaths under 1 year	145	154	117	118	99
Male	82	93	72	66	50
Female	63	61	45	52	49
Legitimate (Residents)	131	140	100	114	91
Infant mortality rate per 1000					
living births	22.7	26.9	23.1	25.5	23.3

INFANT MORTALITY, 1953

	TOTAL	Male	Female	January	February	March	April	May	June	July	August	September	October	November	December	1st Day	1st Week	2nd Week	3rd Week	4th Week	1 Month	1-3 Months	4-6 Months	7-9 Months	10-12 Months
053 Septicaemia and Pyaemia.....	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
057 Meningococcal Infections.....	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
325 Mental Deficiency.....	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
340 Meningitis, except meningococcal and Tuberculosis.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
351 Cerebral Spastic Infantile Paralysis.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
490 Lobar Pneumonia.....	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
491 Broncho Pneumonia.....	6	5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
493 Pneumonia, other and unspecified.....	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
517 Other diseases of upper respiratory tract.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
522 Pulmonary congestion and hypotaxis.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
571 Gastro-enteritis and colitis.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
592 Chronic nephritis.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
750 Monstrosity.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
751 Spina bifida and meningocele.....	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
754 Congenital malformations of circulatory system.....	11	4	7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
756 Congenital Malformations of digestive system.....	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
757 Congenital Malformations of genito-urinary system.....	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
758 Congenital malformation of bone and joint.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
759 Congenital malformation, others and unspecified.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
760 Intracranial and spinal injury at birth.....	8	6	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
761 Other birth injury.....	6	5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
762 Post-natal asphyxia and atelectasis.....	25	11	14	4	3	3	2	1	3	2	3	1	3	14	8	1	1	1	1	1	24	1	1	1	1
763 Pneumonitis of newborn.....	6	3	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
764 Diarrhoea of newborn.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
768 Other speais of newborn.....	4	1	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
769 Neonatal disorders arising from maternal toxæmia.....	4	1	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
770 Hæmolytic disease of newborn.....	5	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
773 Ill-defined diseases peculiar to early infancy.....	5	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
774 Immaturity, with mention of other conditions.....	8	1	7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
776 Immaturity unqualified.....	26	17	9	1	3	2	2	4	1	3	1	2	4	1	17	7	1	1	1	1	25	1	1	1	1
785 Jaundice.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
916 Accident caused by fire.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
921 Inhalation and ingestion of food causing obstruction or suffocation.....	5	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
TOTAL.....	145	82	63	11	9	13	16	14	7	9	13	10	16	13	14	59	33	8	2	5	107	23	10	2	3

ABRIDGED INTERNATIONAL CLASSIFICATION OF CAUSES OF DEATH, 1953

	Under 1		1-5		5-14		15-19		20-29		30-39		40-49		50-59		60-69		70-79		80 & over				
	Total	Male	Female	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F				
1 Tuberculosis of respiratory system.....	13	12	1	...	...	...	...	...	1	1	...	...	2	...	4	...	1	...	1	1	...
7 Scarlet Fever and Strept. sore throat.....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8 Diphtheria.....	1	1	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10 Meningococcal infections.....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12 Acute Poliomyelitis.....	16	11	5	...	1	1	...	...	3	2	5	1	...	1	1	...	...	...	...	...	...
14 Measles.....	1	1	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17 All other diseases, infective and parasitic.....	6	2	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
18 Malignant neoplasms.....	212	117	95	...	...	...	...	...	2	1	6	4	4	10	14	13	38	31	37	25	12
19 Benign and unspecified neoplasms.....	3	1	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20 Diabetes Mellitus.....	12	6	6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21 Anaemias.....	3	2	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
22 Vascular lesions, affecting central nervous system.....	76	52	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
23 Nonmeningococcal meningitis.....	3	2	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
24 Rheumatic fever.....	3	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
25 Chronic rheumatic heart disease.....	10	6	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
26 Arteriosclerotic degenerative heart disease.....	322	221	101	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
27 Other diseases of heart.....	31	22	9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
28 Hypertension with heart disease.....	29	14	15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
29 Hypertension without mention of heart.....	13	11	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
30 Influenza.....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
31 Pneumonia.....	50	32	18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
32 Bronchitis.....	6	4	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
33 Ulcer of stomach and duodenum.....	8	6	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
34 Appendicitis.....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
35 Intestinal obstruction and hernia.....	4	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
36 Gastritis, duodenitis, enteritis, colitis.....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
37 Cirrhosis of Liver.....	9	7	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
38 Nephritis and Nephrosis.....	10	8	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
39 Hyperplasia of prostate.....	7	7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
40 Complications of pregnancy.....	2	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
41 Congenital malformations.....	27	10	17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
42 Birth injuries, postnatal asphyxia, atelectasis.....	38	22	16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
43 Infections of the newborn.....	9	6	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
44 Other diseases peculiar to early infancy, and immaturity unqualified.....	48	26	22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
45 Senility without psychosis, ill-defined un-known.....	31	21	10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
46 All other diseases.....	125	66	59	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
47 Motor Vehicle accidents.....	42	33	9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
48 All other accidents.....	53	37	16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
49 Suicide and self-inflicted injury.....	13	11	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
50 Homicides and operations of war.....	4	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
TOTALS.....	1,300	813	487	82	63	11	11	17	7	4	4	24	10	35	13	57	26	98	39	174	94	200	123	111	97
				145		22		24		8		34		48		83		137		208		323		208	

PRINCIPAL CAUSES OF DEATH, 1953

	Total	Male	Female	% of Total Deaths	Rate per 1,000 population
420-434 Diseases of Heart	353	243	110	26.9	191.7
140-205 Malignant Neoplasms	212	117	95	16.3	114.5
330-334 Vascular lesions affecting central nervous system	128	76	52	9.9	69.5
750-776 Diseases of early infancy	122	64	58	9.3	66.5
800-999 External causes	112	85	27	8.6	60.8
440-447 Hypertension	52	25	27	4.0	28.3
490-493 Pneumonia	50	32	18	3.8	27.7
080 Acute Poliomyelitis	16	11	5	1.2	8.7
001-008 Tuberculosis of respiratory system	13	12	1	1.0	7.0
260 Diabetes Mellitus	12	6	6	.9	6.5
All other diseases	230	142	88		
TOTAL	1,300	813	487		

MORTALITY FROM HEART DISEASE

Year	Total Deaths	Deaths From Heart Disease	Percentage of Total Deaths	Rate per 100M Population
1953	1300	353	26.9	191.7
1952	1266	320	23.7	189.1
1951	1133	280	24.7	176.2
1950	1141	291	25.5	195.4
1949	964	287	29.7	208.7

MORTALITY FROM CANCER

Year	Total Deaths	Deaths From Heart Disease CANCER	Percentage of Total Deaths	Rate per 100M Population
1953	1300	212	16.3	114.5
1952	1266	213	17.7	125.8
1951	1133	191	16.0	120.2
1950	1141	203	17.7	136.4
1949	964	159	16.4	115.6

MORTALITY FROM INTRACRANIAL LESIONS OF VASCULAR ORIGIN

Year	Total Deaths	Deaths From Heart Disease THIS Disease	Percentage of Total Deaths	Rate per 100M Population
1953	1300	128	9.9	69.5
1952	1266	110	8.7	59.1
1951	1133	126	10.2	79.3
1950	1141	124	10.7	84.2
1949	964	101	12.5	74.1

MORTALITY FROM TUBERCULOSIS

Year	Total Deaths	Deaths From Heart Disease	Percentage of Total Deaths	Rate per 100M Population
1953	1300	7 13	1.0	7.0
1952	1266	13	1.0	7.6
1951	1133	13	1.1	8.1
1950	1141	22	1.9	14.9
1949	964	25	2.5	18.1

MORTALITY FROM PNEUMONIA

Year	Total Deaths	Deaths From Heart Disease PNEUMONIA	Percentage of Total Deaths	Rate per 100M Population
1953	1300	50	3.8	27.7
1952	1266	41	3.2	24.2
1951	1133	42	3.7	26.4
1950	1141	39	3.4	26.0
1949	964	47	4.8	41.4

MORTALITY FROM EXTERNAL CAUSES

	Total Deaths	Deaths From External Causes	Male	Female	Suicide	Homicide	Auto Accidents	All other Accidents	Percentage of Deaths	Rate per 100M Population
1953	1300	112	85	27	13	4	42	53	8.6	60.8
1952	1266	107	79	28	13	1	41	52	8.4	57.3
1951	1133	91	65	26	11	1	32	47	7.1	57.3
1950	1141	98	71	27	14	5	29	50	8.5	65.8
1949	964	73	57	16	10	3	20	40	7.4	53.0

IMMUNIZATION CLINIC

	1953	1952	1951	1950	1949
No. of persons receiving 1st doses	10,405	8,969	8,688	9,235	10,703
No. of persons receiving re-inforcing doses	2,981	2,598	2,731	2,847	2,949
Total procedures	50,417	42,808	41,185	36,216	37,910
Total attendance	23,132	19,928	19,770	21,624	24,811
Phone calls	3,235	2,397	....	....	....
Out of town persons attending clinics	769	627	....	....	....
Student days	164	231	....	....	....

Clinics Held

Main Clinic—Clinics held	250	249	248	250	249
Average attendance	76	80	80	86	100
South Side Clinic—Clinics held	162	....	....	....	....
Average attendance	25	....	....	....	....

IMMUNIZATION RECORD — 1953

	Immunization Clinic	School Health Services	Private Physicians
Diphtheria			
1st dose	4,004	139	147
Re-inforcing doses	580	602	....
Total doses	14,292	2,102	....
Whooping Cough			
1st dose	3,917	4	147
Re-inforcing doses	2,653	16	....
Total doses	15,978	236	....
Tetanus			
1st dose	4,165	3	142
Re-inforcing doses	26	....	....
Total doses	13,919	....	....
Scarlet Fever			
1st dose	160	....	1
Re-inforcing doses	168	....	....
Total doses	891	....	....
Typhoid			
1st dose	60	....	10
Re-inforcing doses	26	....	....
Total doses	200	....	....
Smallpox			
Smallpox vaccinations	2,861	3,474	589
Cholera			
1st dose	11	....	....
Total doses	21	....	....
Typhus			
1st dose	6	....	....
Total doses	12	....	....
Others			
1st dose	2	....	....
Total doses	2	....	....
Measles Serum	157	....	....
Dick Test	45	....	....
Schick Test	52	....	....

COMMUNICABLE DISEASES, 1953-1949

	1953		1952		1951		1950		1949	
	C	D	C	D	C	D	C	D	C	D
Diphtheria.....	1	1	1	....	1	....	1	....	2	1
Diphtheria carriers.....	....	....	....	....	....	....	2	....	2	....
Dysentery.....	....	....	1	....	2	....	1	....	3	....
Encephalitis.....	1	....	2	2	1	....	5	2	....	....
Food Poisoning.....	....	....	3	....	4	....	5	....	5	....
Measles.....	4088	1	484	....	3114	....	465	....	3080	1
Paratyphoid.....	2	....	1	....	....	....	....	....	....	....
Poliomyelitis.....	322	16	95	7	9	7	38	2	28	....
Rubella.....	2019	....	397	....	180	....	2604	....	788	....
Scarlet Fever.....	640	1	1449	....	514	....	499	2	121	....
Streptococcal Sore Throat.....	11	....	21	....	9	....	29	....	7	....
Trachoma.....	....	....	....	....	....	....	....	....	1	....
Tuberculosis (Pulmonary).....	112	13	139	9	91	13	114	19	91	23
Tuberculosis (other forms).....	25	....	20	4	31	....	23	3	12	2
Typhoid Fever.....	....	....	....	....	1	....	....	....	1	....
Typhoid carriers.....	....	....	....	....	....	....	....	....	1	....
Whooping Cough.....	269	....	197	1	345	....	30	....	3	....
Venereal Disease: Gonorrhoea.....	1043	....	1053	....	757	....	824	....	703	....
Syphilis.....	48	....	48	2	63	2	43	5	83	4
TOTALS:.....	8581	32	3915	25	5138	15	4596	33	4929	31
Morbidity per 1,000 population.....	62.9	....	23.1	....	33.0	....	23.4	....	36.5	....

(C—Cases; D—Deaths)

Communicable disease was responsible for 32 or 2.4% of the 1,300 city deaths during 1953.

Of the above deaths 27 were over 20 years of age. There were 16 deaths due to Poliomyelitis and 13 from Pulmonary Tuberculosis.

Measles accounted for 4,088 cases of communicable disease or 47.6%; Rubella—2,019 cases or 23.5%; Scarlet Fever—640 cases or 7.4%; Poliomyelitis—322 cases or 2.7%.

COMMUNICABLE DISEASE BY SEASON AND SEX, 1953

	Total	Male	Female	January	February	March	April	May	June	July	August	September	October	November	December	Non-residents
Diphtheria.....	1	1	...	...	...	...	...	...	1	...	...	...	...	...	...	2
Diphtheria carriers.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2
Encephalitis.....	1	1	...	...	...	...	...	1	...	...	...	...	...	...	...	...
Measles.....	4,088	2,026	2,062	65	248	773	1,161	1,145	521	96	18	34	10	9	8	16
Paratyphoid.....	2	1	1	...	...	...	2	...	...	...	...	...	...	...	...	...
Polioomyelitis.....	322	162	160	...	...	2	...	...	1	9	42	56	57	115	40	188
Rubella.....	2,019	894	1,125	131	296	425	392	374	293	54	20	4	9	14	7	3
Scarlet Fever.....	640	314	326	157	136	87	68	32	50	24	10	16	20	9	31	23
Streptococcal sore throat.....	11	10	1	4	1	5	...	...	...	...	...	1	...	...	...	...
Tuberculosis (Pulmonary).....	112	66	46	8	5	17	6	8	11	11	11	9	6	9	11	...
Tuberculosis (all other forms).....	25	11	14	1	1	2	1	1	2	4	2	5	4	...	2	...
Whooping Cough.....	269	107	162	2	19	14	8	27	34	34	20	49	31	21	10	18
Veneral Disease.....	1,043	622	421	106	104	75	52	78	71	64	88	91	115	116	83	...
Gonorrhoea.....	48	21	27	4	5	5	4	6	5	1	2	5	4	4	3	...
Syphilis.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
TOTAL.....	8,581	4,236	4,345	478	815	1,405	1,694	1,672	989	297	213	270	256	297	195	254

DEATHS	1	1	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Diphtheria.....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Measles.....	16	11	5	...	...	...	...	...	...	...	...	3	5	3	5	...
Polioomyelitis.....	1	1	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Scarlet Fever.....	13	12	1	1	...	...	...	3	2	3	1	1	2	...	...	...
Tuberculosis (pulmonary).....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
TOTAL.....	32	24	8	1	...	...	...	3	4	3	1	4	8	3	5	...

SCHOOL HEALTH SERVICES

December 31, 1953 marked the completion of the first full year of the administration of the School Health Services by the Local Board of Health. It would seem provident to extend the benefits of this service to the few schools in the city which are presently without any service. Comprehensive coverage is mutually advantageous in the control of disease.

The combined accommodation of the Public and Separate Schools was increased by 76 rooms during the year. Since the recent revision of the Regulations for the control of communicable diseases, the quarantine nurse has worked part time in the School Health Service. The staff was also increased by one full time nurse.

The School Nurses have been appointed executive officers of the Local Board of Health and have since been integrated into the Communicable Disease control scheme of the city. This has considerably facilitated the readmission of pupils to school following an attack of communicable disease.

Forty-nine children with defective vision were examined by eye specialists and supplied with glasses. Certain other children who were judged undernourished were supplied with milk during school hours.

The emphasis in the general school health service is swinging from the routine periodic examination to finding and following the child with a definite health problem. With this in view, 17,139 special examinations of pupils took place.

The problem of dental caries in children continues as serious as ever. The dental health of the next generation of citizens is being determined in the current formative period. The figures forecast little improvement in general dental health. To assist in the control of dental disease, some extension of the dental department is planned. The need for fluoridation of the community water supplies continues most urgent.

Poliomyelitis attacked 101 children of school age during the latter half of the year. One school child died. The course of the epidemic was apparently unchanged by the delay in opening schools. However, the measure no doubt helped to allay the very real fears of parents.

Examination by Medical Officers

Complete periodic examinations	13,152
Examination on special referral	1,091
Re-examinations	185
Partial examinations	293
Total number of examinations	14,723
Number of pupils with defects	5,229
Parents invited to examinations	11,286
Parents present at examination	7,072
Pupils referred to Physicians	628
Pupils referred to Dentists	658

Examinations by Nurses

Periodic Examinations	12,102
Examinations on special referral	16,048
Re-examinations	6,522
Partial examinations	81,160
Total number of examinations	115,832
Number of pupils with defects	11,287
Pupils referred to Physicians	1,340
Pupils referred to Dentists	1,135

School Nursing Services

Home visits	3,122
Consultations with Physicians	136
Consultations with Teachers	4,656
Consultations with Parents	2,614
Consultations — others	411
Lectures and Talks	487
Pupils given first aid	9,103

Dental Services

Dental Hygiene Talks and Lectures	548
Prophylactic treatments given	110
Number of operations	518
Number of cases completed	159

Dental Survey

Number of schools visited	67
Number of children examined	12,620
Number of defective teeth — temporary	10,969
Number of defective teeth — permanent	13,547
Number of children without any defective teeth	2,378

ISOLATION HOSPITAL — 1953

Nine hundred and sixteen patients were admitted to the Isolation hospital during 1953. There were 41 deaths.

Admissions to hospital:—

Scarlet Fever	266	Whooping Cough	37
Diphtheria	3	Chickenpox	8
Diphtheria carrier	1	Mumps	34
Poliomyelitis	402	Vincent's Angina	2
Meningitis (Mening.)	13	Others	50
Typhoid Fever	1		
Encephalitis	1		
Septic Sore Throat	6	DEATHS:—	
Erysipelas	16	Scarlet Fever	1
Measles	65	Diphtheria	1
Rubella	11	Poliomyelitis	39

(Outside cases included in above.)

TUBERCULOSIS CONTROL

	1953	1952	1951	1950	1949
Cases—Pulmonary Tuberculosis.....	112	139	91	114	91
All other forms	25	20	31	23	12
*Rates—Pulmonary Tuberculosis	51.4	77.4	57.0	70.0	66.1
All other forms	13.6	12.2	....	8.1	15.4
Deaths—Pulmonary Tuberculosis	13	9	13	19	23
All other forms .....	....	4	....	3	2
Nonresident Pulmonary Tuberculosis ..	9	10	8	....	13
Nonresident, all other forms .....	....	2	3	2	....
Mobile X-Ray Clinic .....	....	101,965	9,902	....	....

*Rate per 100,000 population.

Kinsmen's Club Service

Total visits by Nurse	3,913	5,200	4,739	2,007	1,986
Visits to T.B. cases	933	1,060	140	693	610
Visits to contact cases	1,474	2,552	1,786	1,063	1,102
Observation visits	298	296	315	251	220
Tuberculin tests in homes, etc.	580	943	423	....	....

WELL BABY AND PRE-SCHOOL CLINICS, 1953 - 1949

	1953	1952	1951	1950	1949
Total attendance	17,611	14,851	14,453	15,322	15,272
Under 1 year	12,906	10,931	10,408	10,954	10,429
1 to 6 years	4,705	3,920	4,045	4,368	4,833
Out of town	1,442	1,089	1,232	886	....

No. of clinics held

Main clinics held	250	250	249	250	249
Average daily attendance	57	70	59	58	61
Average monthly attendance	1,179	1,238	1,205	1,277	1,273
South side clinics held	162	....	....	....	....
Average daily attendance	21	....	....	....	....
Average monthly attendance	432	....	....	....	....
 Total New admissions	4,578	3,814	3,605	3,592	3,696
Under 1 year	3,518	3,006	2,842	2,869	2,768
1 to 6 years	1,060	748	763	723	928
Re-admissions	247	158	153	113	121
Discharged	3,752	3,741	3,406	3,338	1,946
Active charts transferred to Main Clinic	11	....	....	....	....
Active charts transferred from Main Clinic	500	....	....	....	....
Total remaining on roll	10,643	9,817	9,744	9,545	9,291
Home visits	2,517	2,216	1,992	2,564	2,757
Telephone calls	6,136	4,431	4,140	3,893	3,559
Correspondence	111	79	102	109	136
No seen by Doctor	823	605	552	929	665
Referred to family doctor	211	157	137	170	135
No. of student days	168	232	185	191	176

Physicians were in attendance at clinics two afternoons each week to provide medical examination for children where this was indicated.

VICTORIAN ORDER OF NURSES

	1953	1952	1951	1950	1949
Pre-natal	34	14	43	84	165
Post-natal	12	23	7	....	9
New born care	285	273	322	559	711
Newborn instruction	1,630	2,690	1,369	1,474	1,576
Medical and Surgical	10,416	8,031	7,608	5,615	5,157
Total visits	12,367	11,131	10,536	8,750	8,819
Pre-natal clinics	18	19	16	11	....
Total attendance	311	370	572	393	391
Average attendance	18	19	16	11	....

SANITATION**Inspections:**

	1953	1952
Dwellings	294	362
Hotels, lodging houses, apartment blocks	558	449
Schools, blocks, public buildings	23	66
Stores, bakeshops, business establishments	2,997	3,192
Restaurants	3,310	3,315
Garbage cans, etc.	301	423
Streets, lanes, yards, dumps, etc.	63	160
Miscellaneous (including barber shops and beauty parlors)	953	1,409
	<u>8,499</u>	<u>9,376</u>
Re-inspections	462	502

Notices:

Written	152	129
Verbal	2,700	2,097
Garbage	102	118

Complaints:

Received from public	574	523
Justified	520	466
Received from other departments	19	27
Referred to other departments	41	62

The complaints were made up as follows:—

Garbage, streets, lanes, etc.	133	172
Vermin	37	37
Housing, plumbing and drainage	217	184
Food and drink	46	53
Miscellaneous	141	77

Licenses:

License applications investigated	3,220	3,168
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Plumbing:

Sewer and water notices issued	39	13
Sewer and water installed, buildings removed, etc.	59	31
Extension of time granted	2	3
Plumbing permits issued	3,086	2,619
Plumbing permits issued for old buildings	98	139
Alterations to existing plumbing (fixtures)	1,582	1,650
Privies eliminated through installation of plumbing	98	139
Number of septic tanks installed	9	12

Disinfesting Station:

Baths	4,694	3,618
Verminous	1	....
Scabies	11	38
Disinfected	12	39
No. of Men Washing Clothes	4,340	3,388
Units Washed	13,020	10,164

Scavenging Clean-Up Work:

Refuse removed during Clean-up Week (cubic yards)	18,350	19,326
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Animals, Barns, Styes:

Cow owners	93	109
Hog owners	33	50
Goat owners	8	8
Fur farm owners	26	37

Food:

Samples submitted to Provincial Laboratory	8	10
Foodstuffs condemned (lbs.)	3,662	712

Water:

Water samples taken	16	9
Negative	8	7
*Positive	8	2
For fluorine .....	....	11
Wells chlorinated	1	1
Wells condemned	3	1

*—Wells condemned or further samples taken after chlorination.

Housing:

Necessary notices were issued in connection with 294 dwellings and 558 hotels, lodging houses, apartment blocks, etc., which were checked for vermin, overcrowding and other insanitary conditions.

Poison Gas Fumigation:

Vermin was eliminated from seven establishments by the use of hydrocyanic acid gas.

Enforcement of Regulations:

Prosecutions	2	1
One citizen was fined \$50.00 and costs for operating a rooming house without a license, while another was fined \$25.00 and costs for not complying with an order from the Board of Health.		

FOOD INSPECTION**Meats Inspected and Condemned****Beef:**

	1953	1952	1951
No. of carcasses inspected	4,628	3,627	2,634
Carcasses condemned	12	15	28
Portions condemned	331	327	299
Weight (lbs.) of carcasses and portions condemned	10,005	12,315	17,340

Veal:

No. of carcasses inspected	1,733	1,457	961
Carcasses condemned	5	7	6
Portions condemned	29	29	26
Weight (lbs.) of carcasses and portions condemned	1,735	2,065	1,515

Mutton:

No. of carcasses inspected	250	479	112
Carcasses condemned	1	3	4
Portions condemned	3	19	18
Weight (lbs.) of carcasses and portions condemned	80	210	405

Pork:

No. of carcasses inspected	6,731	6,210	3,762
Carcasses condemned	7	17	15
Portions condemned	1,648	2,015	1,253
Weight (lbs.) of carcasses and portions condemned	25,630	35,640	18,580

Totals:

No. of carcasses inspected	13,342	11,773	7,469
Carcasses condemned	25	42	53
Portions condemned	2,011	2,390	1,596
Weight (lbs.) of carcasses and portions condemned	37,450	50,230	37,840

CARCASSES FOUND TO BE INFECTED WITH T.B.

Beef:			
Infected	6	7	8
Percent .....	.13	.19	.30

Pork:

Infected	967	1,351	722
Percent	14.36	21.76	19.19

CHIEF CAUSES OF CONDEMNATION, 1953

Beef:

	Carcasses	Portions	Weight Lbs.
Abscess .....	....	178	2,015
Abscess multiple	3	2	1,280
Actinomycosis .....	....	99	2,025
Emaciation	1	....	400
Parasites .....	....	18	225
Peritonitis	2	....	1,000
Pneumonia	2	....	850
Tuberculosis .....	....	6	105
Pustular nephritis and debility	1	....	350
Septicaemia	1	....	375
Miscellaneous: (adhesions, bruised, dying condition, jaundice)	2	28	1,380
	12	331	10,005

Veal:

Abscess .....	....	15	130
Abscess multiple	2	....	510
Blackleg	1	....	220
Bruised	1	1	375
Septicaemia	1	....	350
Miscellaneous: (adhesions, parasites, actinomycosis) .....	....	13	150
	5	29	1,735

Mutton:

Abscess .....	....	1	10
Emaciation	1	....	60
Parasites .....	....	2	10
	1	3	80

Pork:

Adhesions	1	81	1,165
Bruised	1	5	465
Contamination .....	....	306	4,860
Parasites .....	....	200	995
Tuberculosis	1	1,047	17,385
Miscellaneous: (abscess, arthritis, erysipelas, pneumonia, skin disease and emaciation)	4	9	760
	7	1,648	25,630

DISEASED ANIMALS

	1953	1952	1951
Beef	230	305	271
Veal	23	27	26
Mutton	4	22	6
Pork	1,336	1,537	995
Total amount of meat condemned (lbs.)	37,450	50,230	37,840

FOODSTUFFS CONDEMNED BY INSPECTORS

Fruit and vegetables .....	....	4	....
Meat .....	....	72	....
Poultry	76	60	111
Cheese	174	....	....
Damaged by fire, flood, etc.	3,412	531	4,951
Sundries .....	....	45	138
Total (lbs.)	3,662	712	5,200

MILK AND WATER REPORT

	1953		1952	
	Total No. Premises	No. of Inspect.	Total No. Premises	No. of Inspect.
Inspections:				
Producer-distributors, raw milk	1	1	1	7
Producer-shippers, milk	488	927	481	1,035
Producer-shippers, cream	67	....	45
Producers - Contacts	326	....	456
Vehicles	339	....	254
Pasteurization Plants - Contacts	215	....	237
Pasteurization Plants	4	202	....	204
Milk Cans condemned	82
Others, Complaints, etc.	13	....	11
Licenses and Permits:				
Retail milk certificates issued	605	....	596
Dairy Licenses issued	505	....	481
Dairy Licenses refused	2	....	1
Dairy Licenses suspended temporarily	120	....	159
Permits issued to cow keepers in the city	112	....	127
Samples:				
Milk samples taken, retail	1,094	....	1,119
Milk samples taken, shippers	11,485	....	10,420
Cream samples	201	....	208
Special Milk samples	3
Chocolate Milk Samples	97	....	105
Ice Cream Samples	48	....	29
Tests:—Milk:				
Standard plate counts	1,094	....	1,119
Coliform tests	269	....	273
Phosphatase tests	581	....	623
Methylene Blue Tests	11,485	....	10,420
Butterfat Tests	104	....	79
Restaurants:				
Swab tests of utensils	1,681	....	1,075
Water				
Standard plate counts	283	....	282
Coliform tests	269	....	282
Chlorine content checks	275	....	282
Raw river water plate counts	43
Swimming Pools				
Plate counts	166	....	155
Coliform tests	166	....	155
Inspections	228	....	194

